

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/547,999
Source: IFW0
Date Processed by STIC: 9/29/06

ENTERED



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/547,999

DATE: 09/29/2006
TIME: 15:00:43

Input Set : F:\SEQLIST.TXT
Output Set: N:\CRF4\09292006\J547999.raw

4 <110> APPLICANT: PORTNOY, DANIEL A.
 5 CALENDAR, RICHARD
 6 LAUER, PETER M.
 8 <120> TITLE OF INVENTION: SITE SPECIFIC LISTERIA INTEGRATION VECTORS AND METHODS FOR
 USING THE SAME
 11 <130> FILE REFERENCE: BERK-017CIP
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/547,999
 C--> 13 <141> CURRENT FILING DATE: 2005-09-07
 13 <150> PRIOR APPLICATION NUMBER: US03/13492
 14 <151> PRIOR FILING DATE: 2003-04-29
 16 <150> PRIOR APPLICATION NUMBER: 10/136,860
 17 <151> PRIOR FILING DATE: 2002-04-30
 19 <160> NUMBER OF SEQ ID NOS: 28
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 25
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: oligonucleotide
 31 <400> SEQUENCE: 1
 32 ggacgtcatt aaccctcaact aaagg 25
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 25
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial Sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: oligonucleotide
 42 <400> SEQUENCE: 2
 43 ggacgtcaat acgactcaact atagg 25
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 25
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: oligonucleotide
 53 <400> SEQUENCE: 3
 54 ggacgtcgct atttaacgac cctgc 25
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 36
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: oligonucleotide

See p. 6

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64 <400> SEQUENCE: 4
65 gagctgcagg agaattacaa cttatatcgt atgggg 36
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 33
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: oligonucleotide
75 <400> SEQUENCE: 5
76 gcactgcagc cgcttgcctt catctgttac gcc 33
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 33
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: oligonucleotide
86 <400> SEQUENCE: 6
87 catgcatgcc ttcgcctgt cccctcagtt cag 33
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 29
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: oligonucleotide
97 <400> SEQUENCE: 7
98 gtagatctta actttccatg cgagaggag 29
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 36
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: oligonucleotide
108 <400> SEQUENCE: 8
109 gggcatgcga taaaaagcaa tctatagaaa aacagg 36
111 <210> SEQ ID NO: 9
112 <211> LENGTH: 29
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: oligonucleotide
119 <400> SEQUENCE: 9
120 cctaagctt cgatcatcat aattctgtc 29
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 37
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: oligonucleotide
130 <400> SEQUENCE: 10

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131 gggcatgcag atctttttt cagaaaatcc cagtacg	37
133 <210> SEQ ID NO: 11	
134 <211> LENGTH: 24	
135 <212> TYPE: DNA	
136 <213> ORGANISM: Artificial Sequence	
138 <220> FEATURE:	
139 <223> OTHER INFORMATION: oligonucleotide	
141 <400> SEQUENCE: 11	
142 ggtctagatc aagcacatac ctag	24
144 <210> SEQ ID NO: 12	
145 <211> LENGTH: 25	
146 <212> TYPE: DNA	
147 <213> ORGANISM: Artificial Sequence	
149 <220> FEATURE:	
150 <223> OTHER INFORMATION: oligonucleotide	
152 <400> SEQUENCE: 12	
153 cgggatcctg aagcttggga agcag	25
155 <210> SEQ ID NO: 13	
156 <211> LENGTH: 22	
157 <212> TYPE: DNA	
158 <213> ORGANISM: Artificial Sequence	
160 <220> FEATURE:	
161 <223> OTHER INFORMATION: oligonucleotide	
163 <400> SEQUENCE: 13	
164 ctcatgaact agaaaaatgt gg	22
166 <210> SEQ ID NO: 14	
167 <211> LENGTH: 22	
168 <212> TYPE: DNA	
169 <213> ORGANISM: Artificial Sequence	
171 <220> FEATURE:	
172 <223> OTHER INFORMATION: oligonucleotide	
174 <400> SEQUENCE: 14	
175 tgaagttaaac ccgcacacacga tg	22
177 <210> SEQ ID NO: 15	
178 <211> LENGTH: 24	
179 <212> TYPE: DNA	
180 <213> ORGANISM: Artificial Sequence	
182 <220> FEATURE:	
183 <223> OTHER INFORMATION: oligonucleotide	
185 <400> SEQUENCE: 15	
186 tgtaacatgg aggttctggc aatc	24
188 <210> SEQ ID NO: 16	
189 <211> LENGTH: 24	
190 <212> TYPE: DNA	
191 <213> ORGANISM: Artificial Sequence	
193 <220> FEATURE:	
194 <223> OTHER INFORMATION: oligonucleotide	
196 <400> SEQUENCE: 16	
197 acataaatcag tccaaagtag atgc	24

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/547,999

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TIME: 15:00:43

Input Set : F:\SEQLIST.TXT

Output Set: N:\CRF4\09292006\J547999.raw

199 <210> SEQ ID NO: 17
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 202 <213> ORGANISM: Artificial Sequence
 204 <220> FEATURE:
 205 <223> OTHER INFORMATION: oligonucleotide
 207 <400> SEQUENCE: 17
 208 acgaatgtaa atattgagcg g 21
 210 <210> SEQ ID NO: 18
 211 <211> LENGTH: 29
 212 <212> TYPE: DNA
 213 <213> ORGANISM: Artificial Sequence
 215 <220> FEATURE:
 216 <223> OTHER INFORMATION: oligonucleotide
 218 <400> SEQUENCE: 18
 219 gaagatctcc aaaaataaac aggtgggtgg 29
 221 <210> SEQ ID NO: 19
 222 <211> LENGTH: 29
 223 <212> TYPE: DNA
 224 <213> ORGANISM: Artificial Sequence
 226 <220> FEATURE:
 227 <223> OTHER INFORMATION: oligonucleotide
 229 <400> SEQUENCE: 19
 230 catgcatgcg tggaggggaaa gaagaacgc 29
 232 <210> SEQ ID NO: 20
 233 <211> LENGTH: 18
 234 <212> TYPE: DNA
 235 <213> ORGANISM: Artificial Sequence
 237 <220> FEATURE:
 238 <223> OTHER INFORMATION: oligonucleotide
 240 <400> SEQUENCE: 20
 241 ggagggaaaag aagaacgc 18
 243 <210> SEQ ID NO: 21
 244 <211> LENGTH: 24
 245 <212> TYPE: DNA
 246 <213> ORGANISM: Artificial Sequence
 248 <220> FEATURE:
 249 <223> OTHER INFORMATION: oligonucleotide
 251 <400> SEQUENCE: 21
 252 tatcagacacct aacccaaacc ttcc 24
 254 <210> SEQ ID NO: 22
 255 <211> LENGTH: 24
 256 <212> TYPE: DNA
 257 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: oligonucleotide
 262 <400> SEQUENCE: 22
 263 aatcgaaaaa taaaaatctt ctcg 24
 265 <210> SEQ ID NO: 23

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/547,999

DATE: 09/29/2006
TIME: 15:00:43

Input Set : F:\SEQLIST.TXT
Output Set: N:\CRF4\09292006\J547999.raw

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266 <211> LENGTH: 21
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: oligonucleotide
273 <400> SEQUENCE: 23
274 gtcaaaacat acgctttat c 21
276 <210>, SEQ ID NO: 24
277 <211> LENGTH: 6101
278 <212> TYPE: DNA
279 <213> ORGANISM: Shuttle integration vector pPL1
281 <220> FEATURE:
282 <221> NAME/KEY: misc_feature
283 <222> LOCATION: 3676
284 <223> OTHER INFORMATION: n = A,T,C or G
286 <400> SEQUENCE: 24
287 gacgtcaata cgactcacta tagggcgaat tgggtaccgg gccccccctc gaggtcgacg 60
288 gtatcgataa gcttgatatac gaattcctgc agcccgaaaa atccactagt tctagagcgg 120
289 ccggccaccgc ggtggagctc cagttttgt tccctttagt gagggtaat gacgtcgcta 180
290 tttaacgacc ctgcctgaa ccgacgaccc ggtcgaaattt gcttcgaat ttctgccatt 240
291 catccgctta ttataactta ttcaggcgta gcaccaggcg tttaaggcga ccaataactg 300
292 cttaaaaaaaa attacgcccc gcccgtccac tcatcgcaatg actgttgtaa ttcatattaagc 360
293 attctgcga catggaaagcc atcacagacg gcatgatgaa cctgaatcg cagccggatc 420
294 agcaccttgcgt ataataatttg cccatggtaaa aaacgggggc gaagaagttg 480
295 tccatattgg ccacgtttaa atcaaaaactg gtgaaactca cccaggattt ggctgagacg 540
296 aaaaacatata tctcaataaa cccttttaggg aaataggcca gggtttcacc gtaacacgccc 600
297 acatcttgcg aatataatgtg tagaaaactgc cggaaatcgat cgtggatttc actccagagc 660
298 gatggaaaacg tttcagtttg ctcatggaaa acgggtgtaac aagggtgaaac actatcccat 720
299 atcaccagct caccgtctt cattgccata cggaattccg gatgagcatt catcaggcg 780
300 gcaagaatgt gaataaaggc cggataaaac ttgtgttttat ttttcttac ggtctttaaa 840
301 aaggccgtaa tatcoagctg aacggtctgg ttataaggtagt attgagcaac tgactgaaat 900
302 gcctcaaaat gttctttacg atgccattgg gatatatcaa cgggtgtata tccagtgatt 960
303 ttttctcca ttttagcttc tttagctctt gaaaatctcg ataactcaaa aaatacggccc 1020
304 ggtagtgtatc ttatttcatt atggtaaaag ttggaaacctc ttacgtgccc atcaacgtct 1080
305 cattttcgcc aaaagttggc ccagggtcttc ccggatcaaa cagggtacacc aggatttt 1140
306 tattctgcga agtgcatttc cgtcacaggt atttattcg cgcaaaatgc gtcgggtgat 1200
307 gctgccaact tactgattta gtgtatgtg gtgttttg ggtgtccag tggcttctgt 1260
308 ttctatcagc tgcgtttttt gttcagctac tgacggggtg gtgcgttaacg gcaaaaggcac 1320
309 cgccggacat cagcgcttagc ggagtgtata ctggcttact atgtggcac tgatgagggt 1380
310 gtcagtgaag tgcttcatgt ggcaggagaa aaaaggctgc accgggtcgat cagcagaata 1440
311 tgtgatacag gatattttcc gtttctcgc tcactgactc gctacgtcg gtcgttgcac 1500
312 tgcggcgagc ggaaatggct tacgaacggg gcggagattt cctggaaagat gccaggaaga 1560
313 tacttaacag ggaagtgaga gggccgcggc aaaggcgat ttccataggc tccggccccc 1620
314 tgacaagcat cacgaaatct gacgctcaa tcagtggtg cgaaaccgcg cagcactata 1680
315 aagataccag gcgttcccc ctggcggttc cctcgatcg tctcctgttc ctgcctttcg 1740
316 gtttaccggc gtcattccgc tgttatggcc gcgtttgtct cattccacgc ctgacactca 1800
317 gttccgggtt ggcagtgc tccaaagctgg actgtatgca cgaacccccc gttcagtccg 1860
318 accgctgcgc cttatccggt aactatcgat ttgagtccaa cccggaaaga catgcaaaag 1920
319 caccactggc agcagccact ggttaattgtat ttagaggat tagtcttgaa gtcatgcgccc 1980

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/29/2006
PATENT APPLICATION: US/10/547,999 TIME: 15:00:44

FYI
Input Set : F:\SEQLIST.TXT
Output Set: N:\CRF4\09292006\J547999.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:24; N Pos. 3676
Seq#:25; N Pos. 695

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/547,999

DATE: 09/29/2006

TIME: 15:00:44

Input Set : F:\SEQLIST.TXT

Output Set: N:\CRF4\09292006\J547999.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:3660

L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:660